AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior version, and listings, of claims in this application:

Listing of Claims:

1. (Original) A hearing prosthesis system comprising:

a first housing containing a primary signal processor, that receives signals output by a microphone; and

a plurality of second housings that are removably connectable to the first housing;

wherein only one of said second housings is connectable to said first housing at any one time and further wherein at least one of said second housings has a user interface that provides control of one or more features of the operation of the primary signal processor.

2. (Original) The hearing prosthesis system of claim 1 wherein one or more of said plurality of second housings contains a power supply for at least some of the components of the prosthesis.

3. (Currently Amended) The hearing prosthesis system of claim 1 ~~or claim 2~~ wherein one or more of said plurality of second housings contains a power supply and has a user interface that provides control of one or more features of the primary signal processor.

4. (Currently Amended) The hearing prosthesis system of claim 1 ~~any one of the preceding claims~~ wherein one or more of said plurality of second housings is connectable by an electrically conducting lead to a remote module housing a power supply.

5. (Currently Amended) The hearing prosthesis system of claim 1 ~~any one of the preceding claims~~ wherein one or more of said plurality of second housings is connectable by an electrically conducting lead to a remote module and wherein a user interface is provided on the remote module.

6. (Currently Amended) The hearing prosthesis system of claim 1 ~~any one of the preceding claims~~ wherein one or more of said plurality of second housings is connectable by an electrically conducting lead to a remote module and wherein the one or more of said plurality of housings is provided with a user interface and the remote module houses a power supply.

7. (Currently Amended) The hearing prosthesis system of claim 1 ~~any one of the preceding claims~~ wherein one or more of said plurality of second housings is connectable by an electrically conducting lead to a remote module and wherein the remote module houses a power supply and has a user interface.

8. (Currently Amended) The hearing prosthesis system of claim 1, ~~any one of the preceding claims~~ wherein one or more of said plurality of second housings contains signal receiver means for receiving signals from a remote module having a user interface.

9. (Original) The hearing prosthesis system of claim 8 wherein the signal receiver means comprise signal receiver circuitry that receives and processes radio frequency signals output by the remote module.

10. (Currently Amended) The hearing prosthesis system of claim 8 ~~or claim 9~~ wherein the second housing contains a power source.

11. (Currently Amended) The hearing prosthesis system of claim 8 ~~any one of claims 8 to 10~~ wherein the remote module houses signal transmission circuitry that sends radio frequency signals to the second housing in response to adjustments made to the user interface.

12. (Currently Amended) The hearing prosthesis system of claim 8 ~~any one of the preceding claims~~ wherein one or more of said plurality of second housings contains signal transceiver means for receiving and sending signals from and to a remote module having a user interface.

13. (Cancelled)

14.(Currently Amended) The hearing prosthesis system of claim 12 ~~or claim 13~~ wherein the remote module houses signal transceiver circuitry that sends and receives radio frequency signals to and from the second housing in response to adjustments made to the user interface.

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Currently Amended) The hearing prosthesis system of claim 4 ~~one of claims 4 to 14~~ wherein the remote module has a visual display.

23. (Original) The hearing prosthesis system of claim 22 wherein the visual display comprises one or more light emitting diodes (LEDs) and/or a liquid crystal display (LCD).

24. (Currently Amended) The hearing prosthesis system of claim 22 ~~or claim 23~~ wherein the visual display provides a recipient of the system or their carer with information about the performance of one or more aspects of the prosthesis system.

25. (Cancelled)

26. (Cancelled)

27. (Currently Amended) The hearing prosthesis system of any one of claim 1 ~~the preceding claims~~ wherein the user interface comprises one or more push buttons or switches and/or one or more dials or rotary controls.

28. (Currently Amended) The hearing prosthesis system of claim 27 wherein the user interface comprises a push button that activates and/or deactivates the primary signal processor and/or selects the primary signal processor ~~programme~~ program.

29. (Currently Amended) The hearing prosthesis system of claim 27 ~~or claim 28~~ wherein the user interface comprises a dial that allows adjustment of the volume and sensitivity of the primary signal processor.

30. (Currently Amended) The hearing prosthesis system of claim 27 ~~any one of claims 27 to 29~~ wherein the user interface comprises a further push button that allows selection of whether input to the primary signal processor is provided by the microphone, a telecoil or a mixture of inputs.

31. (Currently Amended) The hearing prosthesis system of claim 27 ~~any one of the preceding claims~~ wherein the user interface incorporates at least one tactile position control that, through its position, provides feedback to the recipient and/or their carer as to the setting of that control.

32. (Cancelled)

33. (Currently Amended) The hearing prosthesis system of claim 1 ~~any one of claims 1 to 26~~ wherein the user interface comprises a first three-position switch that allows a recipient and/or their carer to select which speech ~~programme~~ program is to be used, a dial that allows adjustment of the volume and sensitivity of the primary signal processor, and a second three-position switch which allows a recipient and/or their carer to set whether the primary signal processor is receiving input from the microphone, a telecoil, or a mix of such inputs.

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Currently Amended) The hearing prosthesis system of claim 1 ~~any one of the preceding claims~~ wherein at least the first housing and the second housing are positionable on the ear of the recipient.

38. (Currently Amended) The hearing prosthesis system of claim 1 ~~any one of the preceding claims~~ comprising a cochlear implant system.

39. (Original) A hearing prosthesis comprising:

a first housing containing a primary signal processor that receives signals output by a microphone; and

a second housing removably connectable to the first housing;

wherein a user interface is provided on the second housing that provides control of one or more features of the operation of the primary signal processor.

40. (Original) The hearing prosthesis of claim 39 wherein the second housing includes a power supply.

41. (Currently Amended) The hearing prosthesis of claim 39 ~~or claim 40~~ wherein the second housing is connectable to a remote module.

42. (Original) The hearing prosthesis of claim 41 wherein the remote module has a further user interface.

43. (Cancelled)

44. (Cancelled)

45. (Currently Amended) The hearing prosthesis of claim 42 ~~or claim 43~~ wherein the further user interface of the remote module controls some or all of the same features of the hearing prosthesis that are controlled by the user interface of the second housing.

46. (Currently Amended) The hearing prosthesis of claim 41 ~~any one of claims 41 to 45~~ wherein the second housing user interface is rendered partially or fully inoperable when the remote module is used in conjunction with the second housing of the hearing prosthesis.

47. (Original) The hearing prosthesis of claim 42 wherein the further user interface is mountable to both the remote module and to the second housing.

48. (Currently Amended) The hearing prosthesis of claim 41 ~~any one of claims 41 to 47~~ wherein the remote module has a visual display.

49. (Original) The hearing prosthesis of claim 48 wherein the visual display comprises one or more light emitting diodes (LEDs) and/or a liquid crystal display (LCD).

50. (Currently Amended) The hearing prosthesis of claim 48 ~~or claim 49~~ wherein the visual display provides a recipient of the system or their carer with information about the performance of one or more aspects of the prosthesis.

51. (Original) A hearing prosthesis comprising:

a first housing containing a primary signal processor that receives signals output by a microphone; and

a remote module;

wherein a user interface is provided on the remote module that provides control of one or more features of the operation of the primary signal processor.

52. (Original) The hearing prosthesis of claim 51 comprising a one-way or two-way wireless communication between the remote module and the primary signal processor.

53. (Cancelled)

54. (Cancelled)

55. (Currently Amended) The hearing prosthesis of claim 39 ~~any one of claims 39 to 54~~ wherein the user interface comprises one or more push buttons or switches and/or one or more dials or rotary controls.

56. (Original) The hearing prosthesis of claim 55 wherein the user interface comprises a push button that activates and/or deactivates the primary signal processor and/or selects the primary signal processor programme.

57. (Cancelled)

58. (Cancelled)

59. (Currently Amended) The hearing prosthesis of claim 39 ~~any one of claims 39 to 54~~ wherein the user interface incorporates at least one tactile position control that, through its position, provides feedback to the recipient and/or their carer as to the setting of that control.

60. (Cancelled)

61. (Currently Amended) The hearing prosthesis of claim 39 ~~any one of claims 39 to 54~~ wherein the user interface comprises a first three-position switch that allows a recipient and/or their carer to select which speech programme is to be used, a dial that allows adjustment of the volume and sensitivity of the primary signal processor, and a second three-position switch which allows a recipient and/or their carer to set whether the primary signal processor is receiving input from the microphone, a telecoil, or a mix of such inputs.

62. (Cancelled)

63. (Cancelled)

64. (Currently Amended) The hearing prosthesis of claim 39 ~~any one of claim 39 to 63~~ comprising a cochlear implant.

65. (Original) A speech processing unit for a hearing prosthesis recipient, the speech processing unit comprising:

a main part configured for wearing behind an ear of the hearing prosthesis recipient, the main part including a primary signal processor for carrying out primary signal processing functions associated with the speech processing unit; and

a replaceable part being removably connectable with the primary part, the replaceable part including a user interface for communication with the primary signal processor.

66. (Original) A speech processing unit for a cochlear implant recipient, the speech processing unit comprising:

a main part configured for wearing behind an ear of the cochlear implant recipient, the main part including a primary signal processor for carrying out primary signal processing functions associated with the speech processing unit; and

a replaceable part being removably connectable with the primary part, the replaceable part including a battery compartment and user interface for communication with the primary signal processor.